

AMENDMENTS TO THE CLAIMS

Below is the entire set of pending claims pursuant to 37 C.F.R §1.121(c)(3)(i), with any mark-ups showing the changes made by the present Amendment.

1. (Currently amended) A plug fastener, comprising:
a first engaging portion having first ridges comprising parallel rectilinear sidewalls;
a second engaging portion having second ridges comprising parallel rectilinear sidewalls,
~~at least one of said the sidewalls of the first or and~~ second ridges extending parallel slanted with
respect to one another~~the other of the first or second ridges~~; and
an aperture extending through the plug fastener, the first and second ridges concentric
with respect to the aperture.
2. to 5. (Canceled)
6. (Withdrawn) The plug fastener of claim 1 wherein said first engaging surface has cross-sectional shape selected from the group consisting of rectangular, pentagonal, hexagonal, octagonal and other regular polygons having at least four sides.
7. (Currently amended) The plug fastener of claim 1 wherein pairs of corresponding ridges
from the first and second portions provide symmetrical decreasing widths of the plug fastener
when moving away from an equator of the plug fastener that is perpendicular to the aperture
~~at least one of said first or second ridges comprise an angled top surface, said angled top surface~~
~~providing the slant of the at least one first or second ridges.~~

8. (Currently amended) The plug fastener of claim 1 wherein said first engaging portion
~~surface~~ has a shape selected from the group consisting of spheroidal, cylindrical, ellipsoidal,
conical, elliptic conical frustum, pyramidal frustum, and ball.

9. to 10. (Canceled)

11. (Previously presented) The plug fastener of claim 1 wherein the first and second ridges
are deformable ridges.

12. (Withdrawn) The plug fastener of claim 10 wherein said mating surface includes a
plurality of threads adapted to engage the opening in the second article.

13. (Currently amended) The plug fastener of claim 1 wherein said second engaging portion
~~mating surface~~ has a shape selected from the group consisting of spheroidal, cylindrical,
ellipsoidal, conical, elliptic conical frustum, pyramidal frustum, and ball.

14. (Withdrawn) The plug fastener of claim 8 wherein said mating surface is flat, whereby
said fastener is adapted to be affixed to a flat surface of said second article.

15. (Withdrawn) The plug fastener of claim 14 further comprising affixing means including
at least one selected from the group consisting of bolthead, aperture having a regular polygonal
cross-section, protrusion having regular polygonal cross-section, and countersink.

16. (Withdrawn) The plug fastener of claim 14 wherein the fastener is adapted to be hidden from view after the picket is fastened to the second article therewith.

17. (Withdrawn) A plug fastener adapted to engage a longitudinally oriented opening of a picket for attaching the picket at a right angle to a second article such as a rail, said plug fastener comprising:

a cylindrical member provided with a first engaging surface for engaging an interior surface of a first one of the picket and the second article; and

a second member connected to the cylindrical member at an opposing end, the second member provided with a second engaging surface for engaging an interior surface of a second one of the picket and the second article,

such that said plug fastener is adapted to be hidden from view after the picket is fastened to the second article therewith.

18. to 28. (Canceled)

29. (Withdrawn) The plug fastener of claim 1 wherein said mating surface is a flat surface that is adapted to lie flat on a flat surface of a second article.

30. (Withdrawn) The plug fastener of claim 29 further comprising an at least partially arcuate body on which said first engaging surface is disposed.

31. (Withdrawn) The plug fastener of claim 30 wherein said body comprises a generally barrel shape.

32. (Withdrawn) The plug fastener of claim 29 further comprising a longitudinal opening from a top end of said plug fastener to a bottom end of said plug fastener, said longitudinal opening adapted to receive an elongate fastener to connect said plug fastener to a second article.

33. (Withdrawn) The plug fastener of claim 29 further comprising a shaped body on which said first engaging surface is disposed, said shaped body permitting a snug fit into the interior surface of an opening in the picket.

34. (Withdrawn) The plug fastener of claim 29 wherein said first engaging surface includes a plurality of ridges to assist in creating a rigid fit within the opening in the picket.

35. to 48. (Canceled)

49. (Currently amended) The plug fastener of claim 1, wherein at least one of said first ridges comprises an end is-slanted in a direction opposite than a direction an end of at least one of said second ridges is slanted, and at least one of said second ridges comprises an end is-slanted in a direction opposite than the direction the end of the at least one of said first ridges is slanted.

50. (Currently amended) The plug fastener of claim 11, wherein the first and second deformable ridges have resiliency sufficient to frictionally engage an interior surface within an ~~the~~ opening in a ~~the~~ picket when deformed.

51. (Previously presented) The plug fastener of claim 1, wherein the fastener is non-metallic.

52. (Previously presented) The plug fastener of claim 51, wherein the fastener comprises a material selected from the group consisting of plastics, nylon, polyvinyl chloride, synthetic rubber, and polyurethane.

53. (Previously presented) The plug fastener of claim 1, wherein the aperture further comprises at least one countersink formed at one end of the aperture.

54. (Previously presented) The plug fastener of claim 1, further comprising a fastening device disposed within the aperture.

55. (Previously presented) The plug fastener of claim 54, wherein the fastening device is a screw.

56. (Previously presented) The plug fastener of claim 1, wherein said first and second engaging portions of the fastener define a substantially spheroidal shape.

57. (Currently amended) A substantially spheroidal plug fastener, comprising:
an aperture extending through the plug fastener and having a first and a second opening;
a first hemisphere having first ridges concentric and orthogonal with respect to the aperture and comprising parallel rectilinear sidewalls, the first hemisphere including the first opening; and

a second hemisphere having second ridges concentric and orthogonal with respect to the aperture and comprising parallel rectilinear sidewalls, the second hemisphere including the

second opening, wherein the sidewalls of the first and second ridges extend parallel with respect to one another~~ends of the first and second ridges are tapered respectively from the first and second openings towards a maximum diameter of the plug fastener.~~

58. (Previously presented) The plug fastener of claim 57, wherein the first and second ridges are deformable ridges.

59. (Previously presented) The plug fastener of claim 58, wherein the first and second deformable ridges have resiliency sufficient to frictionally engage an interior surface within a cylindrical opening in a workpiece.

60. (Previously presented) The plug fastener of claim 59, wherein the fastener is non-metallic.

61. (Currently amended) The plug fastener of claim 5760, wherein ends of the first and second ridges are tapered respectively from the first and second openings towards a maximum diameter of the plug fastener~~the fastener comprises a material selected from the group consisting of plastics, nylon, polyvinyl chloride, synthetic rubber, and polyurethane.~~

62. (Previously presented) The plug fastener of claim 57, wherein the aperture further comprises at least one countersink formed in the first or second opening.

63. (Previously presented) The plug fastener of claim 57, further comprising a fastening device disposed within the aperture.

64. (Previously presented) The plug fastener of claim 63, wherein the fastening device is a screw.